



**PREMIUM
ADHESIVES &
GROUT FOR
USE IN TILES**



NEW ADDITIONS

EX-5
PREMIUM ELEVATION SPECIAL
HIGH STRENGTH POLYMER MODIFIED ADHESIVE

KE-100
PREMIUM EPOXY GROUT

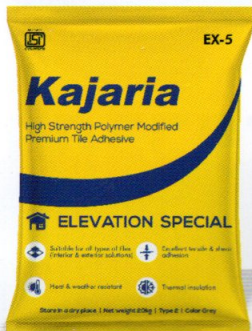


Kajaria

PREMIUM ADHESIVES & GROUTS



Kajaria Introduces EX-5 Premium Adhesive & KE-100 Premium Epoxy Grout which are state-of-the-art products ideal for use in fitment of tiles with great flexibility, stronger bond and beautiful looks.



EX-5

PREMIUM ADHESIVE FOR EXTERIOR & ELEVATION TILES

HIGH STRENGTH POLYMER MODIFIED ADHESIVE

When performance matters, professionals choose technically advanced solution for excellent adhesion. **EX-5** Mixed with water, it has a long open time with unsurpassed adhesion and workability.



VX-1

PREMIUM ADHESIVE FOR VITRIFIED TILES

HIGH PERFORMANCE PREMIUM TILE ADHESIVE

vx1 is polymer modified cement based tile adhesive specially designed for heavy duty applicants for fixing vitrified tiles & large size tiles on internal & external floor surfaces.



CX-1

PREMIUM ADHESIVE FOR CERAMIC TILES

HIGH PERFORMANCE PREMIUM TILE ADHESIVE

cx1 is grey cement based polymer modified quick set tile adhesive. It gives excellent bond on cementitious surfaces like concrete and plaster. **cx1** Adhesive forms a barrier between two surfaces and has an excellent 'grab' properties.



KE-100

PREMIUM EPOXY GROUT

CEMENT BASED POLYMER MODIFIED ADHESIVE

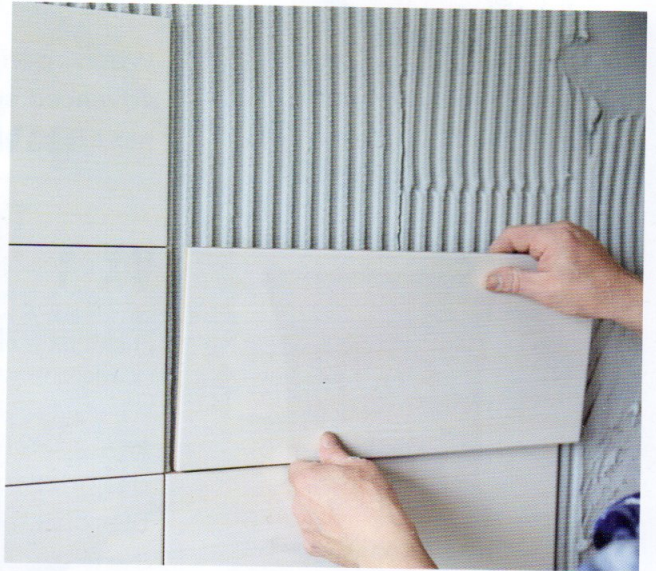
Kajaria **KE-100** Stain free, grout for Floor & Wall is colour-fast, chemical resistant, 100 % solid epoxy grout suitable for ceramic tiles, vitrified tiles, marble and stone, especially in stain prone areas such as kitchens and washrooms (residential & commercial installations).



PREMIUM UNSANDED GROUT

Kajaria Unsanded Grout is a superior quality grout. It consist of a carefully prepared blend of white cement, chemical additives and fillers. It is easy to install - just mix with water and use. It is ideal for floors and walls in both exterior and interior applications.

ADHESIVE FOR USE IN TILES



PERFECT FINISH



Resistant to
Stains and Seepage



High Bond
Strength



Water
Resistant



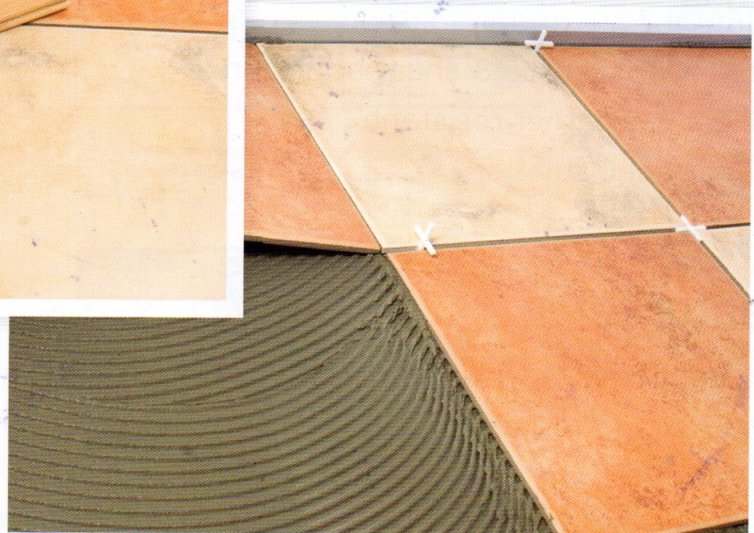
No Hollowness between
Tile and Substrate



Saves Time
Surface ready to
use within 24 hours



Can be used directly
on any surface*



*not suitable for surfaces subject to vibration like plywood, metal, glass, gypsum boards, fibre cement slabs & smooth pre-fabricated concrete.

Introducing

PREMIUM ADHESIVE FOR EXTERIOR & ELEVATION TILES

EX-5

Product Description:

When performance matters, professionals choose technically advanced solution for excellent adhesion. **EX-5** is a high strength polymer modified adhesive. **EX-5** is specially designed for heavy duty tile application. it has superior strength and is ideal for wall cladding tiles, large format vitrified & ceramic tiles on internal & external floors.

Applications:

Suitable for exterior & interior surfaces in commercial, residential, industrial & institutional buildings for both floor & wall surfaces.

Pack Size:

20 kgs.

Color

Grey

Shelf Life:

1 year in dry unopened bags.

Coverage (in sq. mtr.)

4-5 Sq. mtr. / 20 Kg. Bag
at 3 mm thickness

Advantages:

- Suitable for all types of tiles for both interior & exterior solution.
- Excellent tensile & shear adhesion.
- Heat & weather resistant.
- Thermal Insulation.

Features

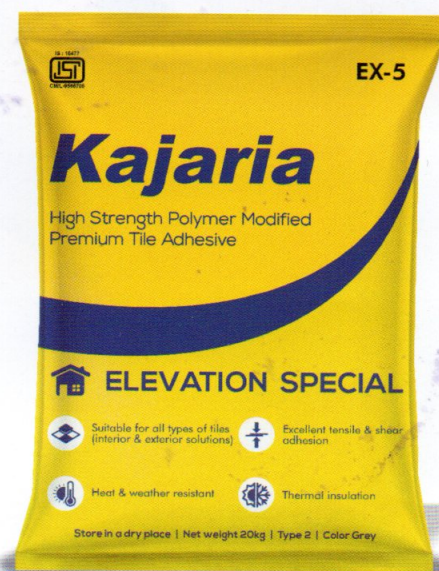
- Simply mix with water and it is ready to use.
- No curing required
- Water resistant.
- High Strength adhesive.



IS : 15477



CM/L 9566705




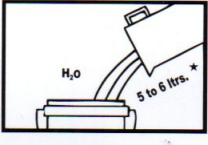
EX-5

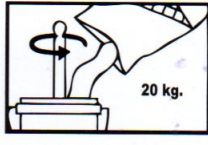
Technical Data: (Type-1)

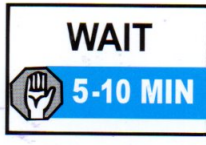
Density	1.79 kg/litre Approx.
Pot Life	3-4 hrs Approx.
Open Time	25 minutes Approx.
Adjustability	23 minutes Approx.
Setting Time	Approx. 1 Day
Full Strength	Approx. 14 Days
Tensile Strength	841 N Approx.
Shear Strength	9.4 KN Approx.


Method of Application:


- 


Remove all Dust, Water, Oil & Sealers from Surface/Substrate.
- 


Add 5 to 6* ltrs water in-to empty bucket.
- 


Add 20 Kg **ex5** Adhesive in-to water and mix it till attains Uniform Paste.
- 


Slake the Material for 5 to 10 minutes.
- 


Again Mix the material then take the material on notch trowel.
- 

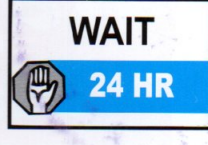
Use flat side of the trowel and spread the adhesive uniformly.
- 


Comb the adhesive with the help of Notch trowel.
- 

Spread the material backside of the tile also (If tile size is More than 12"X12").
- 

Press the tiles firmly into position by Twisting Action.
- 

Press the tile gently with help of Wooden Hammer to make uniform tile surface.
- 

Clean the Tile surface with wet Cloth.
- 

For Foot Traffic wait up to 24 Hrs.
- 

After 24 Hrs you can do the grouting.

* The POWDER: LIQUID ratio may vary according to the job conditions

**For exterior elevation tiles, add latex base adhesive mixture"

PREMIUM ADHESIVE FOR VITRIFIED TILES

VX-1

Product Description:

vx1 is polymer modified cement based tile adhesive specially designed for heavy duty applicants for fixing vitrified tiles & large size tiles on internal wall & floor surfaces. This highly flexible adhesive also has an excellent waterproofing ability. When properly applied, it takes care of hollowness problem.

Applications:

for vitrified & ceramic tiles and large format tiles on floor surfaces.

Pack Size:

20 kgs.

Color

Grey

Shelf Life:

1 year in dry unopened bags.

Coverage (in sq. mtr.)

4-5 Sq. mtr. / 20 Kg. Bag
at 3 mm thickness

Advantages:

- Ready to use. Needs only mixing with water.
- Also suitable for marble tiles and tile on tile application.
- Saves time as floors are ready to be used after 24 hours.
- Excellent adhesion & low shrinkage.



IS : 15477



CM/L 9566705



VX-1

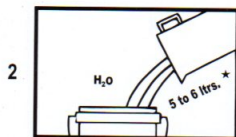
Technical Data: (Type-2)

Density	1.7 kg/litre Approx.
Pot Life	3-4 hrs Approx.
Open Time	23 minutes Approx.
Adjustability	22 minutes Approx.
Setting Time	Approx. 1 Day
Full Strength	Approx. 14 Days
Shear Strength	12 KN Approx.

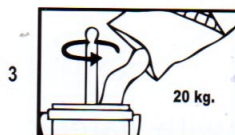
Method of Application:



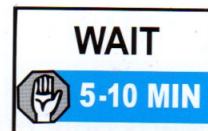
1 Remove all Dust, Water, Oil & Sealers from Surface/ Substrate.



2 Add 5 to 6* ltrs water in-to empty bucket.



3 Add 20 Kg **VX1** Adhesive in-to water and mix it till attains Uniform Paste.



4 Slake the Material for 5 to 10 minutes.



5 Again Mix the material then take the material on notch trowel.



6 Use flat side of the trowel and spread the adhesive uniformly.



7 Comb the adhesive with the help of Notch trowel.



8 Spread the material backside of the tile also (If tile size is More than 12"X12").



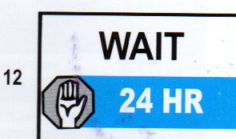
9 Press the tiles firmly into position by Twisting Action.



10 Press the tile gently with help of Wooden Hammer to make uniform tile surface.



11 Clean the Tile surface with wet Cloth.



12 For Foot Traffic wait up to 24 Hrs.



13 After 24 Hrs you can do the grouting.

* The POWDER: LIQUID ratio may vary according to the job conditions

PREMIUM ADHESIVE FOR CERAMIC TILES

CX-1

Product Description:

CX1 is grey cement based polymer modified quick set tile adhesive. It gives excellent bond on cementitious surfaces like concrete and plaster. **CX1** Adhesive forms a waterproof barrier between two surfaces and has an excellent 'grab' properties.

Applications:

For fixing all types of ceramic tiles on interior floor surfaces.

Pack Size:

20 kgs.

Color

Grey

Shelf Life:

1 year in dry unopened bags.

Coverage (in sq. mtr.)

4-5 Sq. mtr. / 20 Kg. Bag
at 3 mm thickness

Advantages:

- Ready to use. needs only mixing with water
- Flexible, shock and Impact resistant.
- Fast and economical.
- High bond strength.
- Suitable for ceramic floor tiles.



IS : 15477



CML 9566705

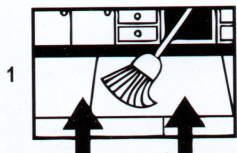


CX-1

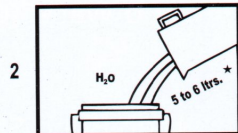
Technical Data: (Type-1)

Density	1.79 kg/litre Approx.
Pot Life	3-4 hrs Approx.
Open Time	22 minutes Approx.
Adjustability	21 minutes Approx.
Setting Time	Approx 1 Day
Full Strength	Approx 14 Days
Tensile Strength	841 N Approx.
Shear Strength	9.4 KN Approx.

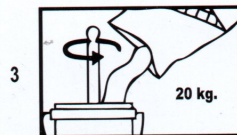
Method of Application:



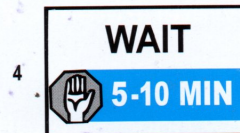
1 Remove all Dust, Water, Oil & Sealers from Surface/ Substrate.



2 Add 5 to 6* ltrs water in-to empty bucket.



3 Add 20 Kg **CX1** Adhesive in-to water and mix it till attains Uniform Paste.



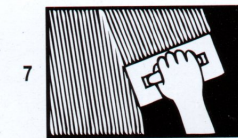
4 Slake the Material for 5 to 10 minutes.



5 Again Mix the material then take the material on notch trowel.



6 Use flat side of the trowel and spread the adhesive uniformly.



7 Comb the adhesive with the help of Notch trowel.



8 Spread the material backside of the tile also (If tile size is More than 12"X12").



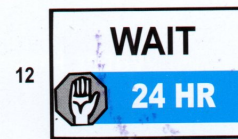
9 Press the tiles firmly into position by Twisting Action.



10 Press the tile gently with help of Wooden Hammer to make uniform tile surface.



11 Clean the Tile surface with wet Cloth.



12 For Foot Traffic wait up to 24 Hrs.



13 After 24 Hrs you can do the grouting.

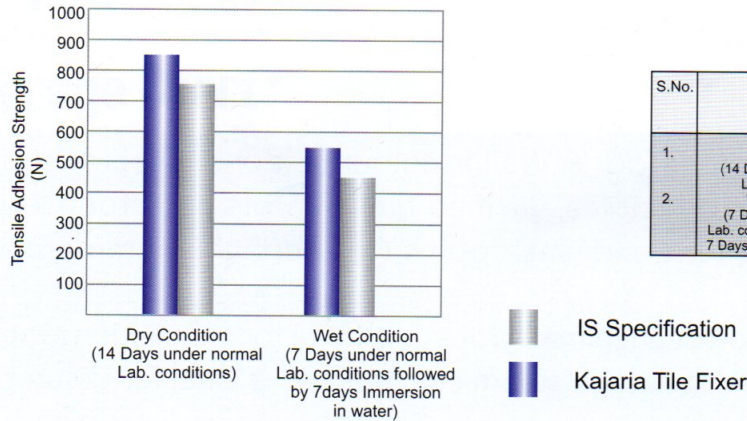
* The POWDER: LIQUID ratio may vary according to the job conditions

TILE FIXING COMPARISON

Comparison between Traditional Cement Sand Mortar/ Non branded Tile adhesive vs. Kajaria premium Tile Adhesive

Traditional cement Sand Mortar /non branded tile adhesive	Kajaria Premium Tile Adhesive
Slow Fixing	Faster Fixing
Curing Required	Curing Not Required
Poor Workability	Good Workability
Typical Application	Easy to Apply
Short Open Time And Adjustability	Adequate Open Time and Adjustability
Poor Water Retention	Good Water Retention
Very Low Bond Strength	High Bond Strength
Hollowness Problem	No Hollowness Between Tile and Substrate
Required Bed Thickness 20-30 Mm	3-6mm Thickness Adequate Mostly
Add More Weight and Thickness	Reduced Weight & Thickness of Structure
Not Water Resistant	Water Resistant
Chipping Required	Can be Use Directly on Any Surface
Stains, Seepage, & Discolouration Is Possible.	Resistant to Stains, Seepage & Discolouration

Comparison of Kajaria Adhesive with IS Specification

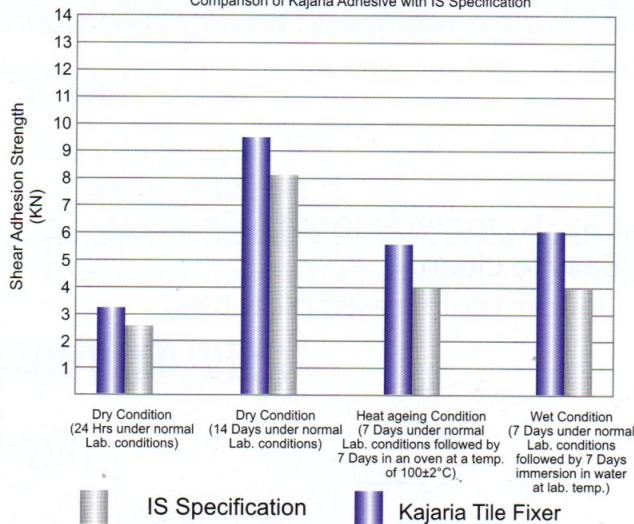


Tensile Adhesive strength (N) for TYPE 1 Adhesive

S.No.	Description	Test Result	As per IS-15477:2004 Specification
1.	Dry Condition (14 Days under normal Lab. conditions)	840N	750N
2.	Wet Condition (7 Days under normal Lab. conditions followed by 7 Days Immersion in water)	556N	450N

Shear Adhesion Test

Comparison of Kajaria Adhesive with IS Specification



Shear Adhesion Strength (KN) for TYPE 1 Adhesive

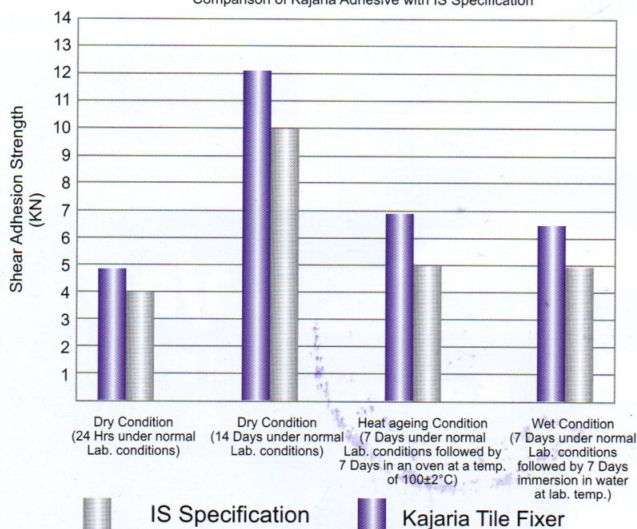
S.No.	Description	Test Result	As per IS-15477:2004 Specification
1.	Dry Condition (24 Hrs under normal Lab. conditions)	3.1KN	2.5KN
2.	Dry Condition (14 Days under normal Lab. conditions)	9.4 KN	8.0KN
3.	Heat ageing Condition (7 Days under normal Lab. conditions followed by 7 Days in an oven at a temp. of 100±2°C)	5.5KN	4.0KN
4.	Wet Condition (7 Days under normal Lab. conditions followed by 7 Days immersion in water at lab. temp.)	6.0KN	4.0KN

for TYPE I Adhesive

S.No.	Description	Test Result	Declaration
1.	Open time (Min.)	28	Minimum 20
2.	Adjustability (Min.)	25	Minimum 20

All Results are after keeping the material at 5°C to 30°C since one year

Comparison of Kajaria Adhesive with IS Specification



Shear Adhesion Strength (KN) for TYPE II Adhesive

S.No.	Description	Test Result	As per IS-15477:2004 Specification
1.	Dry Condition (24 Hrs under normal Lab. conditions)	4.94	Min 4.0
2.	Dry Condition (14 Days under normal Lab. conditions)	12.0	Min 10.0
3.	Heat ageing Condition (7 Days under normal Lab. conditions followed by 7 Days in an oven at a temp. of 100±2°C)	6.9	Min 5.0
4.	Wet Condition (7 Days under normal Lab. conditions followed by 7 Days immersion in water at lab. temp.)	6.5	Min 5.0

for TYPE II Adhesive

S.No.	Description	Test Result	Declaration
1.	Open time (Min.)	30	Min 20
2.	Adjustability (Min.)	27	Min 20

All Results are after keeping the material at 5°C to 30°C since one year

Introducing PREMIUM EPOXY GROUT

KE-100

Product Description:

Kajaria **KE-100** Stain free, grout for Floor & Wall is colour fast chemical resistant, 100 % solid epoxy grout suitable for ceramic tiles, vitrified tiles, marble and stone, especially in stain prone areas such as kitchens and washrooms (residential & commercial installations).

It is non shrinking, fast curing efflorescence free grout. It is ideal for installation where high strength mildew joints are required. It can be steam cleaned and is ideal for green buildings.

Applications:

Residences, Kitchens, bathrooms, swimming pools, fountains, hospitals, restaurants, showroom, industrial areas & high traffic areas.

Advantages:

- Stain free grout for floors & walls.
- Available in range of colors.
- Chemical & Bacterial resistant.
- Enhances look of walls & floors.
- Easy to apply-Smooth & Creamy.
- Easy to clean.
- Uniform color resist blotching.

Features:

- Simply mix Hardener, resin & filler
- Excellent under high temperature conditions.
- Beautiful Joints as no effect of pigments
- Protection against Stains
- Time Saving.
- Suitable for joints between 2-12 mm .
- Available in 20 colors.

Shelf Life

1 year in dry unopened condition.

Pack Size

	1 Kg.	5 Kg.
Resin	0.2 Kg.	1 Kg.
Hardner	0.08 Kg.	0.4 Kg.
Coated	0.720 Kg.	3.6 Kg.

NEW

IS : 15477



CML 9566705



KE-100

Coverage Chart*

Joint Width in mm	Tile Size (Length * Breadth * Thickness in mm)									
	100 x 100 x 3	150 x 150 x 4	200 x 150 x 5	150 x 300 x 6	300 x 300 x 6	450 x 300 x 7	600 x 450 x 8	600 x 600 x 8	600 x 900 x 11	900 x 900 x 12
2	4.38	4.93	4.51	4.38	6.57	6.76	8.45	9.86	8.61	9.8
3	2.92	3.28	3.00	2.92	4.38	4.51	5.63	6.57	5.74	6.57
4	2.19	2.46	2.25	2.19	3.28	3.38	4.22	4.93	4.30	4.93
6	1.46	1.64	1.50	1.46	2.19	2.25	2.81	3.28	2.87	3.28
8	1.09	1.23	1.12	1.09	1.64	1.69	2.11	2.46	2.15	2.46
10	0.87	0.98	0.9	0.87	1.31	1.35	1.69	1.97	1.72	1.97
12	0.73	0.82	0.87	0.73	1.09	1.12	1.40	1.64	1.43	1.64

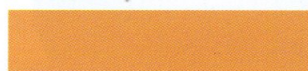
*Note :

* Know the material needed for your site

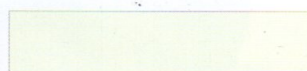
- Coverage in Sq. Mtr per 1 kg. Material.
- Specific gravity- 1.9.
- As per the actual site the consumption vary accordingly
- These figures are for indicative purpose

GROUT COLOURS

Plain



Brown



Crema



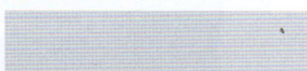
Fiero



Alpine Blue



Copper Brown



Granilia Grey



Black



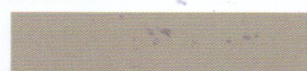
Steel Grey



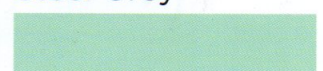
Autumn Yellow



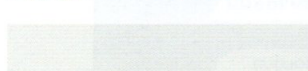
Cobalt Blue



Marble Beige



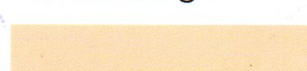
Aqua



Ivory



Bottle Green



Almondo



Rose

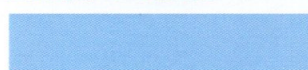


Chocolate

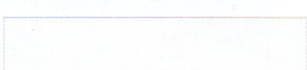


Champagne

Elite Plain



Turquoise Blue



Blaco Nieve

PREMIUM UNSANDED GROUT

Product Description:

Kajaria Premium Unsanded Grout is a superior quality grout. It consists of a carefully prepared blend of cement, chemical additives and fillers.

It is easy to install – just mix with water and use. It is ideal for floors and walls in both exterior and interior applications.

Applications:

Used for filling tile joints with width 1mm to 3mm in both interior and exterior areas for ceramic & vitrified tiles.

Advantages:

- Water resistant
- Improved efflorescence control
- Smooth finish
- Weather resistant
- Easy maintenance
- Non-shrinking
- Non-cracking
- Easy application and clean up
- Available in 20 colors.

Pack Size:

1 Kg.

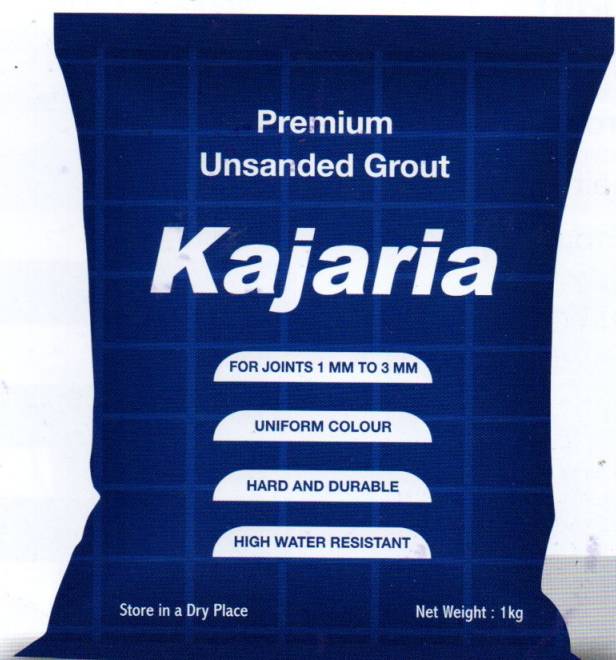
Shelf Life:

1 year in dry unopened pouches.

IS : 15477



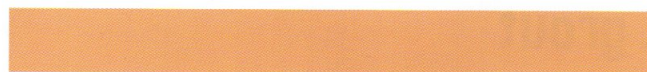
CM/L 9566705



GROUT COLOURS

Kajaria

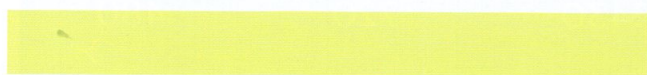
Plain



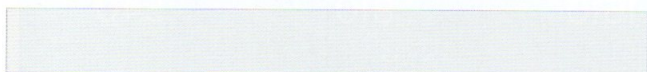
Brown



Copper Brown



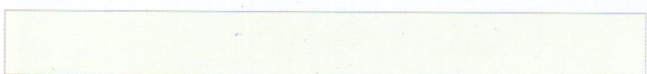
Autumn Yellow



Ivory



Rose



Crema



Granilia grey

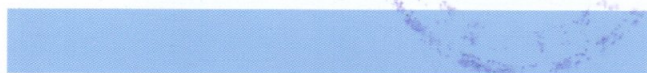


Cobalt Blue



Bottle Green

Elite Plain



Turquoise Blue



Chocolate



Fiero



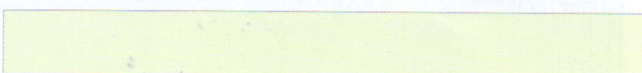
Black



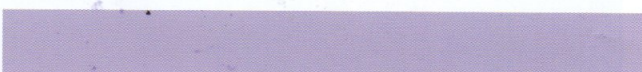
Marble Beige



Almondo



Champagne



Alpine Blue



Steel Grey



Aqua



Blaco Nieve

COVERAGE

**Coverage (in sq. ft.):
approximate coverage/10 Kg. grout**

Tile Size x thickness (in mm)	1 mm	2 mm	3 mm
100 x 100 x 3	1430	720	480
150 x 150 x 4	1610	810	540
200 x 150 x 5	1470	740	490
200 x 200 x 5	1720	860	570
200 x 300 x 6	1720	860	570
300 x 300 x 6	2150	1070	710
400 x 400 x 6	2860	1430	950
450 x 450 x 7	2760	1380	920
500 x 500 x 8	2680	1340	890
600 x 600 x 8	3210	1610	1070